attractive biped toy that can walk by two feet.

The present invention may be embodied as has been described heretofore, and the following advantages can be provided.

The present invention consists only of simple mechanical compositions without using sensor and the like. In addition, since the toy can walk lifting up one leg with keeping away from the supporting surface completely, the biped toy can be offered in smaller size and competitive price as natural as human being walks.

According to the present invention has been described heretofore, the biped toy that can walk on two feet can be provided the simple walking movement as natural as human being walks.

What is claimed is:

1. A biped toy that can walk on two feet disposed symmetrically leg portions and arm portions moved by driving means in the interior of a torso, wherein said driving means of a motor or a power spring type is disposed in the interior of said torso, wherein foot portions to be rotated in a rolling direction of a toy main body is comprised in the lower of said torso, and said leg portions to be driven in forward, rearward, up and down directions of said toy main body is disposed therein, wherein the first link member which is driven said leg portions by making circular motion with maintaining a mounting angle against said torso in the interior of said leg portions and said torso, and the second link mechanism comprised a link member which is driven said foot portions by moving up-and-down is disposed therein, wherein shift of weight of said toy main body is taken forward by a step another leg portion in the situation of lifting a center of gravity of said toy main body on one leg portion, wherein said foot portions with the shift of weight of said toy main body is driven toward the rolling direction, whereby repeating a cycle of movement which shifts the center of gravity between right and left of said leg portions, said toy main body can continuously walk.
2. A biped toy that can walk on two feet as set forth in claim 1,
   wherein the first link member is supported by a rotatable cam and two assist cams which is rotatable with following to the driving of the first member by said cam,
   whereby a trace of movement of the first link member in profile of said main body can make circular movement with remaining a mounting angle against said toy main body.

ABSTRACT

By simplifying the toy body composition, biped toy that can walk on two feet which can practice a walking movement between shifting the weight of a toy main body and shifting the center of gravity of the leg portion thereof can be provided a toy smaller at a lower price.

A biped toy that can walk on two feet which is disposed symmetrically leg portion and arm portion which is activated by a driving means that is set interior of a torso, wherein the torso mounted a motor or wind-up type of driving means,

whereof the bottom mounted a foot portion which is rotated in a rolling direction of a toy main body and a leg portion which is driven to cross and up-and-down direction of said toy main body. Interior of the leg portion and the torso mounted the first link member which drives leg portion by making circular motion remaining mounting angle against the torso and second link mechanism which mounted link member which is driven the foot portions by moving up-and-down.